

PRESSURE WASHER OPERATION GUIDE

START-UP:

1. With the gun locked in the "OFF" position, Point the trigger gun away from yourself or anyone else. Ensure the water supply is completely turned on.
2. Disengage the safety lock-off on the gun and squeeze the trigger. Low pressure water will begin flowing from the nozzle.
3. BE CERTAIN the trigger gun remains in an open position while starting the engine. Brace yourself as the gun will kickback from the high pressure created by the pump once the engine has started.
4. Steady the unit during engine start-up.
5. Once the engine has started, perform the following procedures with the gun open:
 - a. Inspect for system oil leaks and fuel leaks. If a fuel leak is found, TURN UNIT OFF IMMEDIATELY! If you require service, contact the store at 919-554-1444.
6. Trigger the gun several times. Be certain to LOCK the trigger gun in the "OFF" position whenever changing the quick connect nozzles. NEVER look directly into the nozzle! High-pressure water creates a risk of severe injury!
7. Do not allow unit to operate in bypass mode (with trigger closed) for more than three minutes without triggering the gun. Failure to follow this simple rule can cause premature failure of pump packing seals, resulting in costly pump repair, which you could be responsible for.
8. Because your pressure washer delivers a high-pressure spray and a variety of spray patterns, there are many cleaning jobs that can be done without the use of detergents. If a cleaning agent is required, see "Chemical Injector Instructions" for the correct procedures.

SHUT-DOWN:

1. Turn engine switch to the "OFF" position.
2. Turn the water supply "OFF".
3. Pointing the gun in a safe direction, trigger gun momentarily to relieve any trapped pressure.
4. Once pressure is relieved, disconnect the nozzle assembly.
5. Disconnect and drain gun, wand and hoses.
6. Wipe unit clean and fill fuel tank with 93 octanel.

Chemical Injector instructions

CLEANING WITH DETERGENTS:

1. Be certain to wear protective safety attire.
2. Prepare detergent solution according to label directions. **Never pump acids, alkaline, abrasive fluids or solvents through the unit.**
3. Immerse the detergent strainer into the detergent solution to allow detergent to siphon.
4. With the trigger gun locked in the "OFF" position, securely quick-connect the detergent spray nozzle (40° BLACK TIP) into the end of the wand.

NOTE: *This injection system is designed to apply detergents under low pressure only. It will not allow detergent solutions to be introduced into the system unless the nozzle assembly is in the low pressure detergent mode.*

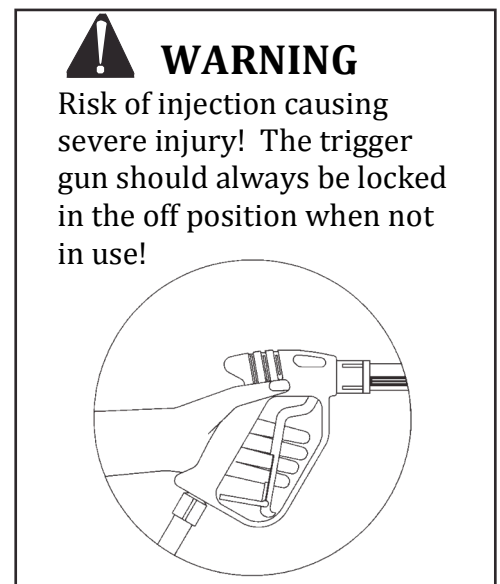
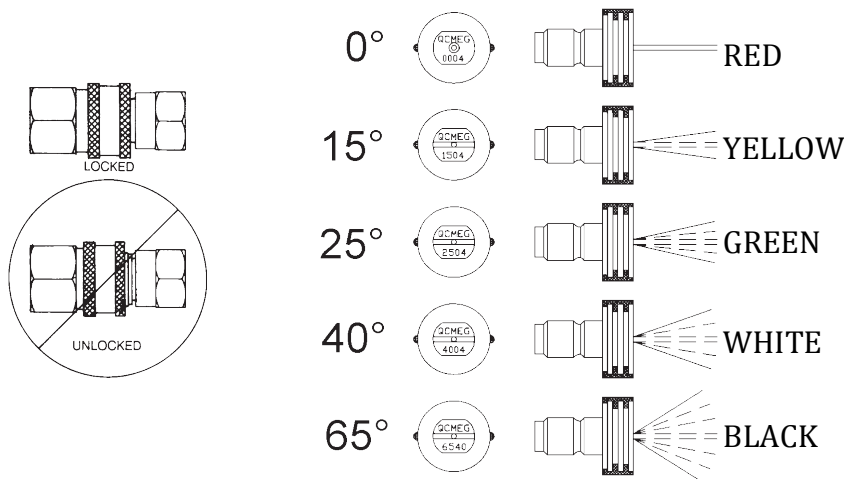
5. To apply solution; unlock the trigger gun and squeeze the trigger. In a few moments a detergent/water mixture will exit the low pressure nozzle. Start spraying the lower portion of the surface being cleaned and move up, using long overlapping strokes. Applying from the bottom up helps avoid streaking. Allow to soak briefly. DO NOT allow detergent solution to dry on the surface. (Avoid working on hot surfaces or in direct sunlight to minimize the chances of the detergent drying, which may result in damaging painted surfaces.) Be certain to rinse a small section at a time.
6. To rinse; lock the trigger gun in the "OFF" position, securely quick-connect the desired high pressure nozzle into the end of the wand. Unlock the trigger gun and spray. It will take about 30 seconds to purge all detergent from the line. For best rinsing results, start at the top and work down.
7. Siphon a gallon of water through the low-pressure detergent injection system after each use. This prevents the possibility of corrosion in the pump assembly.

NOZZLES AND HOSE CONNECTIONS

NOZZLE REVIEW:

Various nozzles may be quick-connected into the end of the wand to change the spray pattern or use the detergent feature. When using Quick Connects (Q.C.), be certain the connection is securely locked. If not, the high pressure water may shoot the nozzle from the wand, causing severe injury or serious damage. To determine spray fan, refer to the actual number stamped on the nozzle. The first two digits indicate the spray fan in degrees, i.e.; 00=0°, 15=15°, 25=25°, 40=40°, 65=detergent/low pressure.

1. **The 0° nozzle (RED):** This is a blasting nozzle. It delivers a very concentrated stream of water. Be cautious when using the straight narrow stream. It is not recommended for use on painted or wood surfaces, or items attached with adhesive backings. Uses: Removing weeds from sidewalk cracks, stubborn stains from concrete, masonry, aluminum and steel, caked mud from equipment, and cleaning lawn mower undersides.
2. **The 15° nozzle (YELLOW):** This is a chiseling nozzle. The spray should be directed at a 45° angle to the surface and used like a scraper to remove paint, grease and dirt. Uses: Surface preparation (removing mildew stains and paint chips).
3. **The 25° nozzle (GREEN):** This is a flushing nozzle. This pattern is best suited for flushing dirt, mud, and grime. Uses: Wet sweeping leaves from walks, curbs and driveways, cleaning stable floors, washing swimming pool bottoms, degreasing engines.
4. **The 40° nozzle (WHITE):** This is a washing nozzle. This pattern is best suited for light washing and washing. Uses: Washing and rinsing automobiles and boats, Cleaning Roofs, windows, patios and driveways.
5. **The 65° nozzle (BLACK):** This is a low pressure detergent application nozzle. This broad spray pattern distributes solution over vast areas under low pressure. Uses: Detergent application, misting or rinsing.



NOZZLE CONNECTION:

1. Be certain the trigger gun is locked in the "OFF" position. See *WARNING* at right.
2. The nozzle assembly should be disconnected from the gun assembly at this time by retracting the locking ring on the quick-connect fitting to remove the nozzle.

QUICK-CONNECTION

